

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	68663	(Convolve or convolved or convolving or convolver or convolution)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:13
L11	2773	((bi-phase or biphas) same (modulate or modulated or modulating or modulator or modulation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:14
L12	6088	(Digital or programmable or miniaturized) near9 (Transponder or tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:02
L13	0	L10 and L11 and L12 and @ad<="20020122" and @pd>="20060316"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:02
L14	1713	(programmable or miniaturized) near9 (Transponder or tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:03
L15	53772	interrogate or interrogated or interrogating or interrogator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:03
L16	624	L14 and L15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:03
L17	4	L11 and L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:03

EAST Search History

L18	0	L17 and @ad<="20020122" and @pd>="20060316"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:16
L19	2106	(342/42-51).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/24 11:03
L20	1151	L19 and @ad<="20020122"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:03
L21	45	L14 and L20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:03
L22	0	L21 and @ad<="20020122" and @pd>="20060316"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:13
L23	6	L21 and miniaturized	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:13
L24	0	L23 and @ad<="20020122" and @pd>="20060316"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:13
L25	1	((Convolve or convolved or convolving or convolver or convolution) and ((bi-phase or biphas) and (modulate or modulated or modulating or modulator or modulation)) and (transponder or tag or transceiver)). clm.	US-PGPUB	OR	ON	2006/06/24 11:15
L26	2106	(342/42-51).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/24 11:16

EAST Search History

L27	3	26 and @ad<="20020122" and @pd>="20060316"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/24 11:16
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SEARCH NOTES FOR EAST, IEEE, INSPEC, IP.COM, AND PROQUEST

SERIAL NUMBER

10501652

Updated Search 24 June 2006

EAST SEARCH

EAST: search history attached

IEEE SEARCH

Sat, 24 Jun 2006, 11:29:04 AM EST

Recent Search Queries

Results

#1 (((programmable <or> miniaturized) <near/9> (transponder or tag))<in>metadata)

24

1. Data cache energy minimizations through programmable tag size matching to the applications

Petrov, P.; Orailoglu, A.

System Synthesis, 2001. Proceedings. The 14th International Symposium on 2001 Page(s): 113 - 117

2. Power efficient embedded processor IPs through application-specific tag compression in data caches

Petrov, P.; Orailoglu, A.

Design, Automation and Test in Europe Conference and Exhibition, 2002. Proceedings 2002 Page(s):1065 - 1071

3. A reconfigurable tag computation architecture for terabit packet scheduling

Sezer, S.; Toal, C.; Garcia, E.; Stewart, V.

Parallel and Distributed Processing Symposium, 2004. Proceedings. 18th International 26-30 April 2004 Page(s): 133

4. Design and Development of a Miniaturized Embedded UHF RFID Tag for Automotive Tire Applications

Basat, S.; Tentzeris, M.M.; Laskar, J.

Antenna Technology Small Antennas and Novel Metamaterials, 2006 IEEE International Workshop on March 6-8, 2006 Page(s): 160 - 163

Sat, 24 Jun 2006, 11:50:08 AM EST

Recent Search Queries

Results

#3 (((convolve <or> convolved <or> convolving <or> convolver <or> convolution) <and> (transponder <or> tag <or> transceiver))<in>metadata)

14

1. Application of SAW convolver in rapid acquisition of Q-SS signals for mobile vehicle navigation and communication

Chunbao Li; Shaojun Fang; Xu Ming

Electronic Applications in Transportation, 1990. IEEE Workshop on 18-19 Oct 1990 Page(s):12 - 15

2. **Radio signals for SAW ID tags and sensors in strong electromagnetic interference**
Pohl, A.; Seifert, F.; Reindl, L.; Scholl, G.; Ostertag, T.; Pietsch, W.
Ultrasonics Symposium, 1994. Proceedings., 1994 IEEE
Volume 1, 1-4 Nov 1994 Page(s):195 - 198 vol.1

INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results
1	INZZ	(programmable OR miniaturized) NEAR (Transponder OR tag)	20060316	12

DataStar Documents

Design and development of a miniaturized embedded UHF RFID tag for automotive tire applications.

Source

2005 Proceedings. 55th Electronic Components and Technology (IEEE Cat. No. 05CH37635), 2005, Vol.

1, p. 867-70 Vol. 1, 7 refs, pp. 2 vol. (xxvi+1070), ISBN: 0-7803-8906-9. Publisher: IEEE, Piscataway, NJ, USA.

Author(s)

Basat-S, Lim-K, Kim-I, Tentzeris-M-M, Laskar-J.

(COPYRIGHT BY The IET, Stevenage, UK)

Data cache energy minimizations through programmable tag size matching to the applications.

Source

International Symposium on System Synthesis (IEEE Cat. No.01EX526), 2001, p. 113-17, 14 refs, pp.

x+282, ISBN: 1-58113-418-5. Publisher: ACM, New York, NY, USA.

Author(s)

Petrov-P, Orailoglu-A.

(COPYRIGHT BY The IET, Stevenage, UK)

Design and implementation of an FPGA transponder.

Source

Microprocessors and Microsystems, {Microprocess-Microsyst-UK}, June 1995, vol. 19, no. 5, p. 255-9,

4 refs, CODEN: MIMID5, ISSN: 0141-9331, UK.

Author(s)

Tan-B-H, Tan-E, Lau-K-T, Mar-S-C.

(COPYRIGHT BY The IET, Stevenage, UK)

Emergency communications between programmable units.

Source

IBM Technical Disclosure Bulletin, {IBM-Tech-Disc-Bull-USA}, March 1980, vol. 22, no. 10, p. 4430-1,

0 refs, CODEN: IBMTAA, ISSN: 0018-8689, USA.

Author(s)

Curlander-P-J, Edstrom-G-H, Lutter-E-P, Paulsen-P-H, Rehage-T-A.

(COPYRIGHT BY The IET, Stevenage, UK)

A miniaturized transponder rocketsonde.

Source

3rd international geoscience electronics symposium digest of technical papers, 1971, p. 1 pp., pp. iii+73.

Publisher: IEEE, New York, NY, USA.

Author(s)

1

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(programmable OR miniaturized) NEAR (Transponder OR tag)	20060316	12	show titles
2	INZZ	Convolve OR convolved OR convolving OR convolver OR convolution	unrestricted	16546	show titles
3	INZZ	transponder OR tag	unrestricted	6708	show titles
4	INZZ	2 AND 3	unrestricted	5	

DataStar Documents

SAW devices satisfy varied wireless system needs.

Source

Applied Microwave & Wireless, {Appl-Microw-Wirel-USA}, March 2002, vol. 14, no. 3, p. 24-36, 1 refs,

CODEN: AMWIEK, ISSN: 1075-0207. Publisher: Noble Publishing, USA.

Author(s)

Campbell-C-K.

(COPYRIGHT BY The IET, Stevenage, UK)

CDMA for wireless SAW sensor applications.

Source

1996 IEEE 4th International Symposium on Spread Spectrum Techniques and Applications Proceedings.

Technical Program. (Cat. No.96TH8210), 1996, vol.2, p. 795-9 vol.2, 5 refs, pp. 3 vol. 1370, ISBN:

0-7803-3567-8. Publisher: IEEE, New York, NY, USA.

Author(s)

Ostermayer-G, Pohl-A, Hausleitner-C, Reindl-L, Seifert-F.

(COPYRIGHT BY The IET, Stevenage, UK)

Wavelet transform with a SAW convolver for sensor application.

Source

1995 IEEE Ultrasonics Symposium. Proceedings. An International Symposium (Cat. No.95CH35844),

1995, vol.1, p. 143-6 vol.1, 4 refs, pp. 2 vol. 1636, ISBN: 0-7803-2940-6. Publisher: IEEE, New York, NY, USA.

Author(s)

Pohl-A, Ostermayer-G, Hausleitner-C, Seifert-F, Reindl-L. Editor(s): Levy-M, Schneider-S-C, McAvoy-B-R.

(COPYRIGHT BY The IET, Stevenage, UK)

Radio signals for SAW ID tags and sensors in strong electromagnetic interference.

Source

1994 IEEE Ultrasonics Symposium. Proceedings (Cat. No.94CH3468-6), 1994, vol.1, p. 195-8
vol.1, 7

refs, pp. 3 vol. 1911, ISBN: 0-7803-2012-3. Publisher: IEEE, New York, NY, USA.

Author(s)

Pohl-A, Seifert-F, Reindl-L, Scholl-G, Ostertag-T, Pietsch-W. Editor(s): Levy-M,
Schneider-S-C,

McAvoy-B-R.

(COPYRIGHT BY The IET, Stevenage, UK)

**Application of SAW convolver in rapid acquisition of Q-SS signals for
mobile vehicle****navigation and communication.****Source**

1990 IEEE Workshop on Electronic Applications in Transportation (Cat. No.90TH0310-3), 1990,
p.

12-15, 3 refs, pp. 112. Publisher: IEEE, New York, NY, USA.

Author(s)

Chunbao-Li, Shaojun-Fang, Xu-Ming.

(COPYRIGHT BY The IET, Stevenage, UK)

DataStar Documents

IP.COM SEARCH

Search query: (programmable OR miniaturized) w/9 (Transponder OR tag)

Published After: 1-22-2002 (Original publication date)

No records matched your search.

Search query: (Transponder OR tag) and (Convolve or convolved or convolving or convolver or
convolution)

Published 1-22-2002 (Original publication date)

Before:

Displaying records #1 through 4 out of 4

Result # 1 Relevance: ○○○○○○

Tone Detection Process

1995-07-01

IPCOM000116064D

English (United States)

The detection of a tone in a signal is of importance in many DSP applications which require a
computerized control of a telephone line. Signals such as dial tone, busy tone, DTMF tone, etc. can be
detected using digital processing approach in order to enable the ...

Result # 2 Relevance: ○○○○○○

Use of Tags to Coordinate Type-A and Type-B Branch History Table

1993-12-01

IPCOM000106788D

English (United States)

A Branch History Table (BHT) has an unfortunate characteristic that it combines all aspects of branch
behavior within a single entity and relates it to the presence or absence of the branch address. If a
branch address is present in the BHT then the branch will be assumed ...

Result # 3 Relevance: ○○○○

What Can Be Automated?: The Computer Science and Engineering Research Study

(COSERS)

1980-01-01

IPCOM000128748D

English (United States)

It is truly difficult to capture with a single question the essence of research in a diverse and very active area of science and technology, but the query in the title comes very close. This questions was first posed by the late Professor George Forsythe of Stanford ...

Result # 4

Relevance: ○○○○

A STOCHASTIC MODEL OF PARALLEL AND CONCURRENT PROGRAM EXECUTION ON MULTIPROCESSORS

1982-10-01

IPCOM000128444D

English (United States)

This report summarizes a model developed to allow the evaluation of parallel program execution on multiprocessors. The model is intended for MIMD algorithms in which the individual processors are coupled through their programs' interaction with memory. The model is not ...

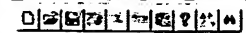
PROQUEST SEARCH

3 documents found for: ((programmable OR miniaturized) w/9 (Transponder OR tag)) AND PDN(>3/16/2006)

RFID Applications Are Migrating From Defense into the Private Sector

Amy Zuckerman, Beth Rowley. World Trade Troy:Jun 2006. Vol. 19, Iss. 6, p. 44-46,48 (4 pp.)

Searching for ((Convolve or convolved or convolving or convolver or convolution) and (Transponder OR tag)) AND PDN(>3/16/2006) did not find any documents.



- ☒ Drafts
- ☒ BRS
- ☐ Pending
- ☒ Active
- ..J L10: (68663) (Convolve or convolved or convolving or convolver or convolution)
 - ..J L11: (2773) ((bi-phase or biphas) same (modulate or modulated or modulating or mod
 - ..J L12: (6088) (Digital or programmable or miniaturized) near9 (Transponder or tag)
 - ..J L13: (0) L10 and L11 and @ad<="20020122" and @pd>="20060316"
 - ..J L14: (1713) (programmable or miniaturized) near9 (Transponder or tag)
 - ..J L15: (53772) interrogate or interrogated or interrogating or interrogator
 - ..J L16: (624) L14 and L15
 - ..J L17: (4) L11 and L16
 - ..J L18: (0) L17 and @ad<="20020122" and @pd>="20060316"
 - ..J L19: (2106) (342/42-51). CCLS.
 - ..J L20: (1151) L19 and @ad<="20020122"
 - ..J L21: (45) L14 and L20
 - ..J L22: (0) L21 and @ad<="20020122" and @pd>="20060316"
 - ..J L23: (6) L21 and miniaturized
 - ..J L24: (0) L23 and @ad<="20020122" and @pd>="20060316"
 - ..J L25: (1) ((Convolve or convolved or convolving or convolver or convolution) and ((bi-p
 - ..J L26: (2106) (342/42-51). CCLS.
 - ..J L27: (3) 26 and @ad<="20020122" and @pd>="20060316"
- ☐ Failed
- ☒ Saved
- ..J S1: (39090) (Digital or programmable or miniaturized) same (Transponder or transceiver
 - ..J S2: (67483) (Convolve or convolved or convolving or convolver or convolution)
 - ..J S3: (339373) waveform
 - ..J S4: (2696) ((bi-phase or biphas) same (modulate or modulated or modulating or modul
 - ..J S5: (1357) S1 and S2
 - ..J S6: (17874) (Digital or programmable or miniaturized) near9 (Transponder or transceive
 - ..J S7: (5621) (Digital or programmable or miniaturized) near9 (Transponder or tag)
 - ..J S8: (2) S2 and S4 and S7
 - ..J S9: (1550) (programmable or miniaturized) near9 (Transponder or tag)
 - ..J S10: (52033) interrogate or interrogated or interrogating or interrogator
 - ..J S11: (534) S9 and S10
 - ..J S12: (3) S4 and S11

DB: US-PG-PUB;USPAT;USOCR

Default operator: OR

342/42-51

☒ Highlight all hit items initially

1	Document I	Search-Bo	Pages	Title	Inventor	Current O	C

	Search Terms	Total	USPAT	US-PGF	EPO	JPO	Derwe
1	342/42	478					
2	342/43	177					
3	342/44	546					
4	342/45	269					
5	342/46	242					
6	342/47	142					
7	342/48	40					
8	342/49	83					
9	342/50	246					

No text available to display

- ☐ Drafts
☒ BRS
☐ Pending
☐ Active
- L10: (68663) (Convolve or convolved or convolving or convolver or convolution)
 - L11: (2773) ((bi-phase or biphas) same (modulate or modulated or modulating or modulated or modulation)) and (transponder or tag or transceiver)) ctn
 - L12: (6088) (Digital or programmable or miniaturized) near9 (Transponder or tag)
 - L13: (0) L10 and L11 and @ad<="20020122" and @pd>="20060316"
 - L14: (1713) (programmable or miniaturized) near9 (Transponder or tag)
 - L15: (53772) interrogate or interrogated or interrogating or interrogator
 - L16: (624) L14 and L15
 - L17: (4) L11 and L16
 - L18: (0) L17 and @ad<="20020122" and @pd>="20060316"
 - L19: (2106) (342/42-51) CCLS
 - L20: (1151) L19 and @ad<="20020122"
 - L21: (45) L14 and L20
 - L22: (0) L21 and @ad<="20020122" and @pd>="20060316"
 - L23: (6) L21 and miniaturized
 - L24: (0) L23 and @ad<="20020122" and @pd>="20060316"
 - L25: (1) ((Convolve or convolved or convolving or convolver or convolution) and ((bi-p- or modulation)) and (transponder or tag or transceiver)) ctn
 - L26: (2106) (342/42-51) CCLS
 - L27: (3) 26 and @ad<="20020122" and @pd>="20060316"
- ☐ Failed
☒ Saved
- S1: (39090) (Digital or programmable or miniaturized) same (Transponder or transceiver)
 - S2: (67483) (Convolve or convolved or convolving or convolver or convolution)
 - S3: (339373) waveform
 - S4: (2696) ((bi-phase or biphas) same (modulate or modulated or modulating or modulated or modulation)) and (transponder or tag or transceiver)) ctn
 - S5: (1357) S1 and S2
 - S6: (17874) (Digital or programmable or miniaturized) near9 (Transponder or transceiver)
 - S7: (5621) (Digital or programmable or miniaturized) near9 (Transponder or tag)
 - S8: (2) S2 and S4 and S7
 - S9: (1550) (programmable or miniaturized) near9 (Transponder or tag)
 - S10: (52033) interrogate or interrogated or interrogating or interrogator
 - S11: (534) S9 and S10
 - S12: (3) S4 and S11

US PGPUB

Default generator: OR

(((Convolve or convolved or convolving or convolver or convolution) and ((bi-phase or biphas) and (modulate or modulated or modulating or modulated or modulation)) and (transponder or tag or transceiver)) ctn

Interference Search

Document	US Pat. No.	Pages	Title	Inventor	Current	Of
1	US 2005020	2005092	12	Digital rf tag	Kormiak, Ja	342/42

Search Terms	Total	USPAT	US-PGP	EPO	JPO	Derwe
1	BI-PHASE	742				
2	BI-PHASES	3				
3	BIPHASE	462				
4	BIPHASES	2				
5	CONVOLUTION	7389				
6	CONVOLUTIONS	1548				
7	CONVOLVE	510				
8	CONVOLVED	1533				
9	CONVOLVED	0				

PGPUB-DOCUMENT-NUMBER: 20050206551

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050206551 A1

TITLE: Digital rf tag

PUBLICATION-DATE: September 22, 2005

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY